GLOBAL MACHINERY COMPANY

30W SOLDERING IRON

DEC001SI

Full 2 years home use warranty

Whilst every effort is made to ensure your complete satisfaction with this tool, occasionally, due to the mass manufacturing techniques, a tool may not live up to our required level of performance and you may need the assistance of our service department.

This product is warranted for a 2-year period for home domestic use from the date of the original purchase. If found to be defective in materials or workmanship, the tool or the offending faulty component will be replaced free of charge with another of the same item. A small freight charge may apply.

The warranty replacement unit is only made available by returning the tool to the place of purchase with a confirmed register receipt. Proof of purchase is essential. We reserve the right to reject any claim where the purchase cannot be verified.

This warranty does not include damage or defects to the tool caused by or resulting from abuse, accidents, alterations or commercial or business use.

It also does not cover any bonus accessories unless the tool is a GMC Platinum Professional model.

Please ensure that you store your receipt in a safe place.

Conditions apply to the above warranty.

If you need direction of what constitutes a free of charge warranty claim, please review the guide given on the rear of the Receipt Holder. An indication is given as to the types of claim that are permissible, and those that are not.

Dear customer

If you require any help with your product, whether it is a Warranty claim, spare part or user information, please phone our Help Line for an immediate response.

Phone **1300 880 001** in Australia
or **0800 445 721** in New Zealand.

Introduction

Your new GMC power tool will more than satisfy your expectations. It has been manufactured under stringent GMC Quality Standards to meet superior performance criteria.

You will find your new tool easy and safe to operate, and, with proper care, it will give you many years of dependable service.

Caution

Carefully read through this entire Instruction Manual before using your new GMC Power Tool. Take special care to heed the Cautions and Warnings.

Your GMC power tool has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this tool, making it easy to maintain and operate.

Environmental protection

Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Description of symbols

The rating plate on your tool may show symbols. These represent important information about the product or instructions on its use.

Wear hearing protection.
Wear eye protection.
Wear breathing protection.

N380 Conforms to relevant standards for electromagnetic compatibility.

Specifications

Input power:	30W
Power supply:	230-240V ~ 50 Hz
Shaft material:	Stainless steel
Solder tip:	Nickel-coated
Cord length:	1.4 metres
Tool weight:	0.2 kg

Safety instructions

WARNING. Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Save these instructions

Work area

- **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical safety

- If cordset is damaged, have it replaced by an authorised service centre.
- **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Do not abuse the cord.** Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

Personal safety

- **Stay alert, watch what you are doing and use common sense when operating a power tool**. Do not use a power tool while you are tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- **Use safety equipment. Always wear eye protection.** Safety equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection use.
- **Avoid accidental starting**. Ensure the switch is in the off-position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- **Remove any adjusting key or wrench before turning the tool on**. A wrench or a key that is left attached to a rotating part of the power tool may result in personal injury.
- **Do not overreach.** Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- **Dress properly**. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
- **If devices are provided for the connection of dust extraction and collection facilities ensure that these are connected and properly used**. Use of these devices can reduce dust-related hazards.

Power tool use and care

- **Do not force the power tool.** Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
- **Maintain power tools.** Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.

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Service

- **Have your power tool serviced by a qualified repair personnel using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
- **When operating a power tool outdoors, use an outdoor extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

Additional safety instructions for soldering irons

WARNING. This tool must be placed on it's stand when not in use.

- Ensure this product is always used on a mains circuit protected by an earth.
- Always wear safety glasses when operating the soldering iron as solder may spit
- When the soldering iron is not in use, always return it to its stand
- Always ensure the work area is both well lit and well-ventilated
- Never leave the soldering iron plugged in and unattended
- Be sure to always solder on a fire resistant surface
- Never touch the soldering tip while the soldering iron is plugged in
- Solder contains lead which is a poisonous metal, so always ensure your hands are washed after using solder

To use this tool properly, you must observe the safety regulations, the assembly instructions and the operating instructions to be found in this Manual. All persons who use and service the machine have to be acquainted with this Manual and must be informed about its potential hazards. Children and infirmed people must not use this tool. Children should be supervised at all times if they are in the area in which the tool is being used. It is also imperative that you observe the accident prevention regulations in force in your area. The same applies for general rules of occupational health and safety.

The manufacturer shall not be liable for any changes made to the tool nor for any damage resulting from such changes.

Even when the tool is used as prescribed it is not possible to eliminate all residual risk factors. The following hazards may arise in connection with the tool's construction and design:

- Damage to the lungs if an effective dust mask is not worn
- Damage to hearing if effective earmuffs are not worn.
- Damage to eyes if effective goggles are not worn
- Risk of injury unless hands are kept well clear of cutting devises

Unpacking

Due to modern mass production techniques, it is unlikely that your GMC Power Tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

Operation

WARNING. Before connecting a tool to a power source, be sure that the voltage supply is the same as that specified on the nameplate of the tool. A power source with a voltage greater than that specified for the tool can result in serious injury to the user, as well as damage to the tool. If in doubt, do not plug in the tool. Using a power source with a voltage less than the nameplate rating is harmful to the motor.

Setting up the iron stand

1. By firmly holding the stand with both hands, press the centre of the stand in so that it separates itself from the rest of the stand and bend to approximately 45° from the base.

Switch on

1. Ensure the soldering iron is resting securely on the iron stand before plugging in to the power.
2. After switching on the power, allow the tool a few minutes to heat up to its operating temperature.

Switch off

1. It is highly recommended that the soldering tip is wiped clean on a damp sponge (not included) after use to prolong service life and performance.
2. Place the soldering iron securely on its stand. Switch off the tool at the power switch and unplug the unit. For safety, please ensure the unit is well minded until it has entirely cooled down.

Preparing to solder

WARNING. Always use safety glasses and ensure the work area is well ventilated to help avoid breathing in dangerous fumes.

The GMC Soldering Iron is typically used to melt and apply solder on various surfaces including circuit boards.

1. Before beginning to solder, secure the work piece so that it does not move and affect your accuracy.
2. Prepare a damp sponge nearby to clean the tip when required.
3. Melt a small amount of solder onto the tip of the iron (1). This process is known as 'tinning' and will assist the heat in following from the soldering iron's tip, to the solder joint. It is important to do this immediately with new soldering tips.
3. Ensure that the workpiece and soldering tip are clean. The workpiece can be cleaned with the use of a small file or knife blade. It is recommended that the user wipe clean the soldering tip with a damp sponge before, during and after soldering. This will help promote a cleaner and stronger solder joint.

Soldering

1. Hold the soldering iron close to the base of the handle (5), and just above the flange (4) like a pen.

WARNING. Never touch the shaft (3) or tip (1) as temperatures can range up to 400°C.

2. Hold the soldering iron with the tip pressed onto the workpiece for a few second to allow it to heat up.
3. Slowly feed the solder onto the joint, not the soldering iron, allowing the solder to melt onto the joint.
4. Once the solder has been applied to the joint, hold the workpiece still while removing the solder and soldering iron simultaneously.

NOTE. A good solder joint will appear smooth and shiny. If this is not the case, you will need to reheat the joint and re-apply the solder.

Removing the tip

WARNING. Do not attempt to remove the tip while the soldering iron is still hot.

1. To help prevent the tip from bonding to the shaft, which may cause the heater element to burn out, it is recommended that the tip (1) be removed after each use.
2. To remove the tip (1), clamp the soldering iron and apply two phillips head screwdrivers to the screws just above the soldering tip (2) and turn anti-clockwise until the screws are loose and remove the tip.

GMC ***Full 2-Year Warranty***

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Consistent with our product development programme, improvements may have been made which render the contents of the tool's packaging or user instructions slightly different to the product received.

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Website www.gmcompany.com
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Dear customer, if you require any help with your product, whether it is a Warranty Claim, spare part or user information, please phone our Help Line
1300 880 001 (Australia)
or 0800 445 721 (New Zealand), for an immediate response.

Product of China manufactured to exacting GMC quality standards.

ABN: 68 093 174 808

The GMC 777 Helpline operates from 7am to 7pm, 7 days a week (EST). This allows you to contact GMC directly with any queries and technical questions you have regarding our products.

Save this Manual for future reference.

2 YEAR REPLACEMENT WARRANTY

GMC GLOBAL MACHINERY COMPANY

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